

REMARKS

Enclosed herewith in full compliance to 37 C.F.R. §§1.821-1.825 is a Substitute Sequence Listing to be inserted into the specification as indicated above. The Substitute Sequence Listing in no way introduces new matter into the specification.

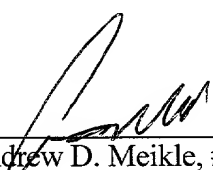
Also submitted herewith in full compliance to 37 C.F.R. §§1.821-1.825 is a disk copy of the Substitute Sequence Listing. The disk copy of the Substitute Sequence Listing, file "0020-4843P.ST25", is identical to the paper copy, except that it lacks formatting.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future submissions, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §1.16 or under 37 C.F.R. §1.17; particularly, extension of time fees.

Respectfully submitted,

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By

  
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1422-0468P

Attachments: Paper and Disk Copy of Substitute Sequence Listing

PATENT  
0020-4843P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: IKADAI, Hiromi et al. Conf.:  
Int'l. Appl. No.: PCT/JP99/04386  
Appl. No.: New Group:  
Filed: April 13, 2001 Examiner:  
For: GENE ENCODING PROTEIN FROM MEZORITE  
OF BABESIA CABALLI, RECOMBIANT  
PROTEIN OBTAINED WITH SAID GENE AND  
USE THEREOF

PRELIMINARY AMENDMENT

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington, DC 20231

April 13, 2001

Sir:

The following Preliminary Amendments and Remarks are respectfully submitted in connection with the above-identified application.

AMENDMENTS

IN THE SPECIFICATION

Please amend the specification as follows:

Before line 1, insert -This application is the national phase under 35 U.S.C. 371 of PCT International Application No. Pct/JP99/04386, which has an International filing date of August 13, 1999, which designated the United States of America.

IN THE CLAIMS

Please amend the claims as follows:

11. (Amended) An antigen comprising the recombinant protein from merozoite of *Babesia caballi* as set forth in claim 4.